

Hot Galvanizing of Steel Wire, by A. Keller,
K. Dohseck,

GERMAN, ~~PDF~~, Stahl und Eisen, Vol LVIII, 1938.

Brutcher Tr No 1110

Scientific - Min/Metals

\$3.50

14,753

Lennings, Wilhelm.
SMELTING OF BASIC-BESSEMER PIG IRON FROM
LOW GRADE GERMAN ORES IN THE BLAST-
FURNACE WITH ACID SLAG PRACTICE, tr. by
J. E. Holgate. [Mar 48] 34p.
Order from SLA ml\$3.00, ph\$6.30 60-18201

Trans. of Stahl und Eisen (Germany) 1938, v. 58
[no. 2] p. 25-34 and [no. 3] p. 52-58.

142,805

(Unannounced)

60-18201

1. Cast iron--Metallurgy
2. Blast furnaces--
Performance
3. Slags--Chemical effects
1. Lennings, W.

Office of Technical Services

61-18454

Schack, A.
BASES FOR THE INCREASED USE OF BLAST-
FURNACE GAS IN IRONWORKS, tr. by W. Golds-
brough. Repr. no. 253 of the Wärmestelle [Fuel
Section] of the Verein Deutscher Eisenhüttenleute.
[Feb 44] 21p. 2 refs.
Order from SLA \$2.60

61-18454

Trans. of Stahl und Eisen (Germany) 1938, v. 58,
17 Feb, p. 157-163.

DESCRIPTORS: *Blast furnaces, *Gases, Iron
Industry, Combustion, Steel industry, Open hearth
furnaces, Heating, Operation, Fuel consumption.

I. Schack, A.
II. Title: Verein...

184045

Office of Technical Services

(Unannounced)

Rapatz, F., Pollack, H., and Holzberger, J.
THE CUTTING QUALITY OF HIGH SPEED STEELS
OF VARIOUS COMPOSITIONS AND OF SINTERED
CARBIDE TOOLS. [1962] 30p. 13 refs.
Order from SLA \$2.60

62-14462

Trans. of Stahl und Eisen (West Germany) 1938, v. 58,
p. 265-275 (Verein Deutscher Eisenhüttenleute (West
Germany) Berichte-402).

DESCRIPTORS: *Steel, *Cutting tools, *Tool steel,
Chemical analysis, Tools, *Carbide tools, *Sintered
alloys, Life expectancy.

(Metallurgy, TT, v. 8, no. 3)

62-14462

- I. Rapatz, F.
- II. Pollack, H.
- III. Holzberger, J.
- IV. Verein ... Berichte-402

Office of Technical Services

XXXXXXXXXX

THE EFFECT OF SUPERHEATING OF THE MELT ON THE
STRUCTURE AND THE STRENGTH CHARACTERISTICS OF
ALLOY STRUCTURAL STEEL, BY A. SCHOBEL, R. MITSCHKE.

GERMAN, PER, STAHL UND EISEN, VOL LVIII, MAY 1938,
PP 546-549.

BISI 2688

SCI - MIN/ METALS

AMXX 11/ AUG 62

/ 207,127

POMP, A. and others. Spreading when flat rolling round
wire.
Stahl Eisen 58:937-43 (1938) (CRL/T. 3928x)

The Desulphurisation of Pig Iron by Burnt
Lime in the Sturzelberg Rotary Furnace,
by W. Bading, A. Krus.

GERMAN, per, Stahl und Eisen, Vol LVIII,
1938, pp 1457-1459.

Broken Hill Prop Co Ltd
(CRL/T 44)

Sci - Min/Met
Dec 61

175,698

61-18452

Linden, K. v. d.
CONSIDERATIONS AND EXPERIENCES IN THE
CONSTRUCTION OF A PUSHER-TYPE FURNACE FOR
ALLOY STEEL [AND] DISCUSSION, tr. by W. Golds-
brough. Rept. no. 263 of the Wärmestelle [Fuel Section]
of the Verein Deutscher Eisenhüttenleute.
[Mar 44] 21p. (3 figs. omitted).
Order from SLA \$2. 60

61-18452

Trans. of Stahl und Eisen (Germany) 1938, v. 58,
29 Dec, p. 1473-1481.

DESCRIPTORS: Construction, *Steel, Design, Opera-
tion, Heating, Theory, *Blast furnaces.

(Unannounced)

- I. Title: Pusher furnace
- I. Linden, K. v. d.
- II. Title: Verein...

184044

Office of Technical Services

Trends in Development of Alloyed Steels, by E. Houdremont,
31 pp.

GERMAN, per, Stahl u Eisen, Vol LIX, Jan 1939, pp 1-8.

SLA 57-1152

Sci - Min/Met

58, 444

Feb 58

Influence of Deoxidation on Mechanical Properties of
Steel, Especially at Elevated Temperatures, by
H. Buchholz.

GERMAN, per, Stahl Und Eisen, Vol LIX, 1939.

Brutcher Tr No 816

16,708

Scientific - Min/Metals

\$4.90

Possibilities of Increasing Production of Steel Plants,
G. Bulle.

GERMAN, per, Stahl Und Eisen, Vol LIX, 1939.

Brutcher Tr No 768B

Scientific - Min/Metals

map 754
Liening
1/1/1

Strassinnet, Theodor.
EXPERIENCES IN THE CONSTRUCTION AND
OPERATION OF MODERN PUSHER-TYPE FURNACES.
Rept. no. 265 of the Wärmestelle [Fuel Section] of the
Verein Deutscher Eisenhüttenleute. [1961] 18p. 2 refs.
Order from SLA \$1.60 61-18406

Trans. of Stahl und Eisen (Germany) 1939, v. 59
[no. 1] p. 54-63.

DESCRIPTORS: *Blast furnaces, Construction,
*Rolling mills, *Fuel injection.

(Unannounced)

61-18406

- I. Title: Pusher furnaces
- I. Strassinnet, T.
- II. Title: Verein...

184042

Office of Technical Services

Pickling With Re-Strengthened Sulphuric Acid, by
P. Dickens.

GERMAN, semimo per, Stahl und Eisen, Vol LIX,
23 Mar 1939, pp 364-377.

Co-op Tr Sch 'Tr 707

Sci - Engr
Jan 58

57,765

The Correlation of the Remn-Process With Raw
Materials. Power and Production Economy, by Hugo
Bansen, 11 pp.

GERMAN, per, Stahl und Eisen, Vol LIX, No 27,
6 Jul 1939, pp 785-790.

34, 383 S.L.A. No 156/1956

Scientific - Minerals/metals

Hennenbergr, K. H.
THE DECOMPOSITION OF RAW PHOSPHATE BY
SMELTING WITH SODA SLAG. [Dec 43] 3p.
(2 figs. omitted).
Order from SLA \$1.10

61-18462

Trans. of Stahl und Eisen (Germany) 1939, v. 59,
1 June, p. 662-663.

DESCRIPTORS: Phosphates, Decomposition, Sodium
compounds, Carbonates, *Slags, Melting, Iron,
Purification.

(Unannounced)

61-18462

1. Hennenbergr, K. H.

184050

Office of Technical Services

Ellender, Walter and Röser, Will.
METALLURGICAL INVESTIGATIONS ON THE
WORKING OF THE BASIC-BESSEMER PROCESS
WITH OXYGEN-ENRICHED BLAST, tr. by K. Sachs.
Rpt. no. 358 of the Steelworks Committee of Verein
Deutscher Eisenhüttenleute. [Dec 47] 20p. 29 refs.
Order from SLA m\$2.40, ph\$3.30 60-18203

Trans. of Stahl und Eisen (Germany) 1939, v. 59
[no. 38] p. 1057-1067.

142,774

60-18203

1. Steel--Processing
2. Cast Iron--Processing
3. Oxygen--Metallurgical effects
4. Title: Bessemer process
- I. Ellender, W.
- II. Röser, W.
- III. Title: Verein...

Office of Technical Services

(Unannounced)

Estimation of Prescribed Working Time for Fette
Work, by Herbert Rossie, 6 p.

GERMAN, per, Stahl und Eisen, 1939, Vol LIX,
No 38, pp 1067-1069.

SLA 59-20413

Sci
Mar 60
Vol 2, No 12

109,190

The Resistance of Mild Steel to Stress
Corrosion With Respect to Aging, Heat Treating, and
and Aluminum Content, by Von Franz Nehl,
Walter Werner, 4 pp.
GERMAN, per, Stahl und Eisen, Vol LIX, 1939,
pp 1155-1157. 9222646

AEC-Tr-6394

EXI
Sci
Jun 64

Influence of Silica, Titanium Dioxide and Alumina on
Viscosity of Acid Synthetic Slag and Calculation of
Viscosity of Acid and Basic B. F. Slags from Their
Composition, by K. Endell, G. Brinkmann, 5 pp.

GERMAN, per, Stahl und Eisen, Vol LIX, 1939, 7-49,
1939-1940.

Brutcher: Tr No 1388

SCA 60-112-1

16,436

Scientific - Min/Metals

\$1.65

Experiments on the Use of Blast Furnace Gas Plus Oxygen-
Enriched Air in the Open-Hearth Furnace, by G. Dulle.

GERMAN, per, Stahl Und Eisen, Vol LX, 1940.

Brutcher Tr No 890

16,753

Scientific - Min/Metals

\$5.40

V
Progress in ~~M~~olding Technique With the Coreless
HEX Induct~~or~~ Furnace, by O. Dorrenberg, W. Bottenberg

~~Gesamt~~, par, Stahl und Eisen, Vol LX, 1940.

Brutcher Tr No 848

Scientific - Min/Metals

\$2.60

16,387

Desulphurization of Basic Bessemer Pig Iron, by
W. Eichholtz, G. Behrendt.

GERMAN, per, Stahl und Eisen, ~~XXIX~~ Vol LX, 1940.

Bratcher Tr No 970

Metals
Scientific - Min/~~XXIX~~ \$5.20

13,972

Experiences With Spoke Roofs on Large Electric Arc
Furnaces, by P. Brucher.

GERMAN, per, Stahl Und Eisen, Vol LX, 1940.

Brucher Tr No 982

Scientific - Min/Metals

\$1.55

16,491

V
High Speed Steels With 7-13 Percent Tungsten, by
E. Becker.

GERMAN, ~~DR.~~ Stahl und Eisen, Vol LX, 1940.

Brutcher Tr No 911

Scientific - Min/Metals

\$3.90

14,168

Reduction of Titanium Dioxide by Solid Carbon and
Carbon-Containing Iron, by W. Baukloh, R. Durrer.

GERMAN, DEU. Stahl Und Eisen, Vol IX, 1940, pp 12-13.

Brutcher Tr No 826

Scientific - Min/Metals 14,147 \$1.20

How to Avoid Loss of Marguerite in Openheart
Process, by G. Henke and F. Bordenhauer.

GERMAN, per, Stahl and Kiers, Vol LX,
1960.

Butcher Tr 964

Scientific - Min/Max

\$5.50

12,854

Burggraf, Robert.
THE DEPENDENCY OF SCALING UPON THE
COMPOSITION OF THE GAS ATMOSPHERE, THE
HEATING PERIOD, THE TEMPERATURE AND THE
GAS VELOCITY, in: by W. Goldsborough. (pt. no. 371)
of the Warmestelle (Fuel Section) of the V rein
Deutscher Eisenhüttenverein. May 44, 30p. 145 refs.
Order from SLA \$2.60 61-18515

Trans. of Stahl und Eisen (Germany) 1941, v. 60,
15 Feb. p. 135-137 and 23 Feb. p. 150-159.

DESCRIPTORS: "Scale, Heating, Rods & mills,
Operation, Steel, Temperature, Gases, Oxidation-
reduction reactions.

61-18515

I. Burggraf, R.
II. Title: Verein...

184081

High Speed Steels With 7-13 Percent Tungsten, by
E. Becker.

GERMAN, Dr. Stahl und Eisen, Vol LX, 1940.

Brutcher Tr No 911

Scientific - Min/Metals

\$3.90

14,168

Reduction of Titanium Dioxide by Solid Carbon and
Carbon-Containing Iron, by W. Haukloh, R. Durrer.

GERMAN, ber. Stahl Und Eisen, Vol LX, 1940, pp 12-13.

Butcher Tr No 826

Scientific - Min/Metals 14,147 \$1.20

How to Avoid Loss of Manganese in Openhearth
Process, by G. Henke and P. Bardenheuer.

GERMAN, per, Stahl und Eisen, Vol LX,
1940.

Brutcher Tr 964

Scientific - Min/Metals.

\$5.50

12,859

Bourggraff, Robert.
THE DEPENDENCY OF SCALING UPON THE
COMPOSITION OF THE GAS ATMOSPHERES, THE
HEATING PERIOD, THE TEMPERATURE AND THE
GAS VELOCITY, tr. by W. Goldsbrough. Rept. no. 278
of the Wärmestelle [Fuel Section] of the Verein
Deutscher Eisenhüttenleute. May 44, 30p. 145 refs.
Order from SLA \$2.60 61-18515

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
15 Feb, p. 129-137 and 22 Feb, p. 156-159.

DESCRIPTORS: *Scale, Heating, Rolling mills,
Operation, Steel, Temperature, Gases, Oxidation-
reduction reactions.

(Unannounced)

61-18515

I. Bourggraff, R.
II. Title: Verein...

184081

Office of Technical Services

61-18526

I. Maurer, E.

Maurer, Eduard.
OPEN-HEARTH SLAG CONTROL DURING MELTING
BY RAPID CHEMICAL DETERMINATIONS OF
FERROUS OXIDE, MANGANOUS OXIDE, LIME AND
SILICA. [1961] 3p. 4 refs.
Order from SLA \$1.10

61-18526

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
2 May, p. 391-392.

DESCRIPTORS: Open hearth furnaces, *Slags,
*Chemical analysis, Steel, Quality control, Melting,
Oxides, Iron compounds, Manganese compounds,
Calcium compounds, Silicon compounds, Dioxides.

184086

Office of Technical Services

(Unannounced)

Ristow, Arno. AN INVESTIGATION TO IMPROVE THE LIFE OF INGOT MOULDS. Rept. no. 367 of the Steelworks Committee of the Verein Deutscher Eisenhüttenleute. [1961] [13]p. 16 refs. Order from SLA \$1.60 61-18527 Trans. of Stahl und Eisen (Germany) 1940, v. 60, 9 May, p. 401-404 and 16 May, p. 427-429. DESCRIPTORS: *Castings, Open hearth furnaces, Blast furnaces, Steel. (Unannounced)	61-18527 I. Ristow, A. II. Title: Verein... 184087 Office of Technical Services
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Kieffer, Richard and Hotop, Werner.
THE PRESENT POSITION OF POWDER METAL-
LURGY. [1961] 19p. 45 refs.
Order from SLA \$1.60

61-18486

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
13 June, p. 317-327.

DESCRIPTORS: *Powder metallurgy, Germany.

(Unannounced)

61-18486

I. Kieffer, R.
II. Hotop, W.

184061

Office of Technical Services

(Unannounced)	Office of Technical Services
*Chemical analysis, Steel, Quality control, Melting, Oxides, Iron compounds, Manganese compounds, Calcium compounds, Silicon compounds, Dioxides.	184086 Office of Technical Services
(Unannounced)	

Ristor, Arno.
AN INVESTIGATION TO IMPROVE THE LIFE OF
POCKET MOULDS, Rpt. no. 367 of the Steelworks
Committee of the Verein Deutscher Eisenhüttenleute.
[1961] (13)p. 15 refs.
Order from SLA \$1.60

61-18527

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
May, p. 417-418 and 15 May, p. 427-429.

DESCRIPTORS: *Castings. Open hearth furnaces,
continuous casting, etc.

(Unannounced)

61-18527

I. Ristor, A.
II. Title: Versta...

Office of Technical Services

Kieffer, Richard and Hotop, Werner.
THE PRESENT POSITION OF POWDER METAL-
LURGY. [1961] 19p. 45 refs.
Order from SLA \$1.60

61-18486

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
13 June, p. 517-527.

DESCRIPTORS: *Powder metallurgy, Germany.

61-18486

I. Kieffer, R.
II. Hotop, W.

184061

Office of Technical Services

(Unannounced)

Eisermann, Friedrich.
THE PRODUCTION OF MILD STEELS IN THE ACID
OPEN-HEARTH FURNACE WITH PARTICULAR
CONSIDERATION OF THE MELTING PRACTICE.
Rept. no. 370 of the Steelworks Committee of the
Verein Deutscher Eisenhüttenleute. [1961]
12p. 36 refs.
Order from SLA \$1.60

61-18534

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
18 July, p. 629-634.

DESCRIPTORS: *Steel, Production, Melting, Open
hearth furnaces, *Slags, Chemical reactions.

(Unannounced)

61-18534

I. Eisermann, F.
II. Title: Verein...

184090

Office of Technical Services

61-18532

Houdremont, Eduard, Bennek, Hubert, and Wentrup, Hanns.

THE EXPLORATION AND COMBATING OF THE INTER-CRYSTALLINE CORROSION OF UNALLOYED STEEL. Rept. no. 508 of the Steelworks Committee of the Verein Deutscher Eisenhüttenleute. [1961] [22]p. (6 figs. omitted) 54 refs. Order from SLA \$2.60

61-18532

Trans. of Stahl und Eisen (Germany) 1940, v. 60, 29 Aug, p. 757-763 and 5 Sep, p. 791-797.

DESCRIPTORS: *Steel, *Corrosion inhibition, Fracture (Mechanics), Corrosion research.

(Unannounced)

- I. Houdremont, E.
- II. Bennek, H.
- III. Wentrup, H.
- IV. Title: Verein...

184089

Office of Technical Services

Report on Conference (on Hardmetals) of Professional Association of German Physicists, Berlin 1960, 1 pp.

GERMAN, per, Stahl und Eisen, No 60, 1940, pp 890-891.

Broken Hill Proprietary
Co Ltd CRL/T 218

Sci
Nov 61

Investigation of Antique Iron Components From
Cologne Cathedral, by K. Deeves.

GERMAN, per, Stahl und Eisen, Vol LX, 21 Mar
1940, pp 245-252.

BISI 2134

Sci - Min/Mat

Jul 61

161, 057

Investigations on Ingot Mould Life, by A. Jellinghaus.

GERMAN. per, Stahl u Eisen, Vol LX, No 20, 1940, pp
432.

ASLIB-GB66

Sci

Jul 59

92, 759

Experience in the Application of the Magnetic-
Powder Process of Testing for Cracks, by Hans
Schrafer, 10 pp. UNCL

GERMAN, per, Stahl u Eisen, Vol LX, 18 Jul
1940, pp 634-640; 25 Jul 655-658.

CIA 9038746

British Iron and Steel 40

Bol - Min/Mat
Apr 59

86,722

Corrosion Resistance of Zinc Electroplates, by
M. Schlotter, 10 pp.

GERMAN, per, Stahl u Eisen, Vol LX, 1940,
pp 724-727.

SIA 57-1043

May 58

63,873

Stainless and Acid-Resisting Nickel-Free Steels, by
R. Scherer, 4 pp.

GERMAN, par, Stahl u. Eisen, Vol LX, No 38, 19
Sep 1940, p 844.

S.L.A. Tr ⁷57-169

Sci - Minerals/Metals
May 57

47,820

Körber, F. and Olsen, W.
SCIENCE OF SLAGS AS A BASIS OF FERROUS
METALLURGY. Rept. no. 375 of the [Steelworks
Committee] and rept. no. 194 of the [Blast Furnace
Committee] of the Verein Deutscher Eisenhüttenleute.
[1961] [32] p. 58 refs.
Order from SLA \$3.60

61-18562

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
17 Oct, p. 921-929 and 24 Oct, p. 948-955.

DESCRIPTORS: *Slags, *Iron alloys, Melting, Vana-
dium *Iron compounds, Oxides, *Ferrites, Blast fur-
naces, Heat of formation, Fluorospars, Minerals,
Metallurgical analysis, Chemical equilibrium, Phase
transitions, Transformations.

(Metallurgy, TT, v. 6, no. 12)

61-18562

1. Title: Bessemer process
- I. Körber, F.
- II. Olsen, W.
- III. Title: Verein ...

18201

Office of Technical Services

The Physical Behaviour of Ores and Additions in
the Blast Furnace, by Fritz Hartmann.

GERMAN, per, Stahl und Eisen, Vol IX, 14 Nov 1940,
pp 1021-1027.

SLA 61-18535

Sci

Mar 62

Vol VII, No 2

189,524

Deep Cementation of Chrome-Molybdenum and Chrome-Manganese Case Hardening Steels in Salt Baths, by H. Diergarten, 19 pp.

GERMAN, per, Stahl u Eisen, Vol LX, No 46, Nov 1940, pp 1027-1037.

SIA 57-933

Sci - Min/Met

58,456

Feb 58

61-18854

Risser, Richard and Schütte, Werner.
MEASURES OF WORKS ECONOMICS FOR IN-
CREASING THE CAPACITY OF THE IRON AND
STEEL INDUSTRY, PTS. 1-2. Repts. no. 177-178 of
the [Production Engineering Committee] of the Verein
Deutscher Eisenhüttenleute. [1961] [20]p.
Order from SLA 51.60

61-18854

Trans. of Stahl und Eisen (Germany) 1940, v. 60,
28 Nov, p. 1069-1075 and 5 Dec, p. 1107-1113.

DESCRIPTORS: *Iron industry, *Steel industry,
Industrial production, Ores, Cast iron, *Locomotives,
*Transportation, *Management engineering, Labor,
Materials, Blast furnaces, Maintenance, *Statistical
analysis, Safety.

(Metallurgy, TT, v. 6, no. 12)

I. Risser, R.
II. Schütte, W.

Office of Technical Services

Study of Wear of Cemented Carbides, by W. Davidl.

GERMAN, per, Stahl und Eisen, Vol LXXI, 1941.

Brutcher Tr 1105

Scientific - Min/Metals

13,030

\$3.60

~~2.00~~ ~~2.60~~

Sy, Albert L. de and Haemers, Hermann.
RAPID ELECTROLYTIC PROCESS FOR THE ETCH-
POLISHING OF METAL SECTIONS. [1961] 7p.
(17 figs, omitted) 13 refs.
Order from SLA \$1.10

61-18552

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
20 Feb, p. 185-187 and 14 Aug, p. 777-778.

DESCRIPTORS: *Electrolytic polishing, Electroero-
sive machining, *Photoengraving, Carbon, *Steel,
Metal polishes, Surfaces, Cleaning, Electrolysis,
Acetic anhydrides, Perchloric acid, *Stainless steel,
*Aluminum polishes, Ethanol, Ethers, Alloys, Elec-
trochemistry.

(Engineering--Chemical, TT, v. 6, no. 12)

61-18552

I. Sy, A. L. de
II. Haemers, H.

182005

Office of Technical Services

Continuous Casting, by G. Maestr. UNCL

GERMANS, per, Stahl u Eisen, 24 Apr 1961,
pp 409-416.

British Iron and Steel Ind
(no number given)

Sst - Hng
Esp 59

98, 306

61-18537

Howahr, Ernst.
THE ROLLING OF HEAVY AND MEDIUM PLATES.
Rept. no. 162 of the Rolling-Mill Committee of the
Verein Deutscher Eisenhüttenleute. [1961] [26]p.
10 refs.

Order from SLA \$2.60

61-18537

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
23 Jan, p. 73-83 and 30 Jan, p. 100-107.

DESCRIPTORS: *Metal plates, *Armor plate,
Processing, *Rolling mills, Design.

Development of the four-high mill from the two-high
and three-high mill, i.e., the combination of a
two-high mill as a roughing stand with a four-high
mill as a finishing stand, describing details of design
and the development of the mechanical and the
electrical components. (Author)
(Metallurgy, TT, v. 7, no. 1)

I. Howahr, E.
II. Title: Verein...

Office of Technical Services

Hauttmann, Hubert.
HARDER BASIC BESSEMER STRUCTURAL STEEL
KILLED WITH SILICON AND ALUMINIUM. Rept.
no. 532 of the [Materials Committee] of the Verein
Deutscher Eisenhüttenleute. [1961] [23]p. (42 figs.
omitted) 16 refs.
Order from SLA \$2.60

61-18521

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
6 Feb, p. 129-136 and 13 Feb, p. 164-170.

DESCRIPTORS: *Steel, Mechanical properties,
*Silicon, *Aluminum, Metallurgy.

Applicability for structural purposes of a steel with a
tensile strength of at least 48 kg. per sq. mm. Dis-
advantages of the old steel St48 and their elimination
by lowering the carbon content, by deoxidising with
silicon and aluminium, and by raising the manganese
content. Examination of various rolled products de-
(Metallurgy--Ferrous Metals, TT, v. 7, no. 1)(over)

61-18521

I. Hauttmann, H.
II. Title: Verein...

Office of Technical Services

61-18536

THE USE OF CHROMIUM IN THE PRODUCTION OF
STEEL: [WITH DISCUSSION]. Rept. no. 381 of the
[Steelworks Committee] of the Verein Deutscher
Eisenhüttenleute. Aug 41 [19]p.
Order from SLA \$1.60

61-18536

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
27 Feb, p. 201-210.

DESCRIPTORS: *Steel industry, *Industrial production,
Oxidation, Open hearth furnaces, *Recovery, Slags,
Cast iron, Ore, Processing, *Chromium, Nickel,
Carbon, Metallurgical analysis.

Contents:

The oxidation loss of chromium in the basic open-
hearth furnace, by Max Hauck
The behaviour of chromium in the basic open-hearth
furnace, by Georg Rockrohr.
(Unannounced)

Office of Technical Services

Schattschneider, Max.
THE GAS TURBINE IN IRON AND STEEL WORKS.
Rept. no. 39 of the [Machinery Committee] of the
Verein Deutscher Eisenhüttenleute. [1961] [13]p.
1 ref.

Order from SLA \$1.60

61-18561

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
8 May, p. 465-473.

DESCRIPTORS: *Steel industry, *Iron industry, Eco-
nomics, *Gas turbines, Design, Waste gases, Turbo-
superchargers, Blowers, Heating plants, Blast fur-
naces, Steam, Generators.

(Machinery--Engines, TT, v. 6, no. 12)

61-18561

1. Schattschneider, M.

61-18561

Office of Technical Services

60-18267

Hengstenberg, Otto, Knechans, Karl, and Berndt,
Norbert.

A STUDY OF THE DURABILITY OF STEELWORKS
INGOT Moulds. Rept. no. 383 of the Stahlwerksaus-
schuss [Steelworks Committee] of the Verein
Deutscher Eisenhüttenleute. [May 46] 22p. (2 figs.
omitted) 10 refs.

Order from SLA ml\$2.70, ph\$4.80

60-18267

Trans. of Stahl und Eisen (Germany) 1941, v. 61
[no. 20] p. 489-498.

142,783

1. Steel industry--Equipment
2. Castings--Life expectancy

1. Hengstenberg, O.

- II. Knechans, K.

- III. Berndt, N.

- IV. Title: Verein...

Office of Technical Services

(Unannounced)

Oberle, H.
THE NEW ORE-MIXING PLANT OF THE BUDERUS'
SCHE EISENWERKE AT THE SOPHIENHUTTE IN
WEITZLAR. Rept. no. 198 of the Blast Furnace Com-
mittee of the [Verein Deutscher Eisenhüttenleute].
[1961] [13]p. (5 figs. omitted) 3 refs.
Order from SLA \$1.60

61-18525

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
29 May, p. 529-535.

DESCRIPTORS: *Ores, Deposits, *Blast furnaces,
Automatic, *Iron industry, Industrial production, In-
dustrial plants, *Cast iron, Metallurgy.

(Metallurgy, TT, v. 6, no. 12)

61-18525

1. Oberle, H.

1961

Office of Technical Services

Bennek, Hubert and Klotzbach, Ginter.
EFFECT OF THE HYDROGEN CONTENT, HYDRO-
GEN PERMEABILITY AND HYDROGEN SOLUBILITY
ON FLAKE FORMATION IN STEEL. Rept. 542 of
the [Materials Committee] of the Verein Deutscher
Eisenhüttenleute. [1961] [30]p. (4 figs. omitted)
58 refs.
Order from SLA \$2.40

61-18529

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
19 June, p. 597-600 and 26 June, p. 624-630.

DESCRIPTORS: *Steel, *Hydrogen, Chemical reac-
tions, Metallurgical analysis, Permeability, Solubil-
ity.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)

61-18529

- I. Title: Flake formation
- I. Bennek, H.
- II. Klotzbach, G.
- III. Title: Verein ...

Office of Technical Services

Hoffmann, Kurt.
MATERIAL FOR STEELWORKS' INGOT MOULDS.
Rept. no. 385 of the [Steelworks Committee] of the
Verein Deutscher Eisenhüttenleute. [1961] 8p. 11 refs.
Order from SLA \$1.10 61-185/3

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
19 June, p. 606-609.

DESCRIPTORS: *Castings, *Steel industry, *Molding
materials, *Cast iron, Failure (Mechanics),
Thermal stresses, Alloys, Additives, Hardness,
Fracture (Mechanics), Heat resistant alloys, Chemi-
cal analysis, Phase transitions, Iron, Orca.

(Metallurgy, TT, v. 6, no. 12).

61-185/3

I. Hoffmann, K.

185/3

Office of Technical Services

Houdremont, Eduard and Schrader, Hans. THE COMBINED EFFECT OF HYDROGEN AND STRESSES ON THE FORMATION OF HAIR-LINE CRACKS. Rept. no. 546 of the [Materials Committee] of the Verein Deutscher Eisenhüttenleute. [1961] [13]p. (69 figs. omitted) 25 refs. Order from SLA \$1.60	61-18528 I. Houdremont, E. II. Schrader, H. III. Title: Verein...
Trans. of <u>Stahl und Eisen</u> (Germany) 1941, v. 61, . 3 July, p. 649-653.	61-18528
DESCRIPTORS: *Hydrogen, Stresses, Transformations, *Steel, Metallurgical analysis, Cooling, Impurities, Gases, *Fracture (Mechanics).	
(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)	Office of Technical Services

Hahn, R.
THE ARRANGEMENT AND OPERATION OF A PAN
SINTERING PLANT TYPE GHH-AIB. Rept. no. 199
of the Blast-Furnace Committee of the Verein Deut-
scher Eisenhüttenleute. [1961] [8]p. (3 figs. omitted).
Order from SLA \$1.10 61-18565

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
3 July, p. 654-658.

DESCRIPTORS: *Sintering, *Blast furnaces, *Ores,
Design, Mixtures, *Iron industry, Hoists, Locomo-
tive cranes, Conveyors, Industrial equipment, *Sin-
ters, Waste gases, Blowers.

(Metallurgy, TT, v. 6, no. 12)

61-18565

I. Hahn, R.
II. Title: Verein ...

182010

Office of Technical Services

Houdremont, Eduard and Schrader, Hans.
THE DANGER OF HAIR-LINE CRACK FORMATION
DUE TO THE TAKING-UP OF HYDROGEN IN THE
COURSE OF THE MANUFACTURE OF STEEL.
[AND] DISCUSSION (SLIGHTLY ABRIDGED). Rept.
no. 347 of the [Materials Committee] of the Verein
Deutscher Eisenhüttenleute. [1961] [21]p. (52 figs.
omitted) 25 refs.
Order from SLA \$2.60

61-18524

Trans. of Stahl und Eisen (Germany) 1941. v. 61,
10 July, p. 671-680.

DESCRIPTORS: *Fracture (Mechanics), *Steel, Heat
treatment, Annealing, *Hydrogen, Slags, Impurities,
*Open hearth furnaces, *Induction furnaces

(Metallurgy, TT, v. 6, no. 12)

61-18524

I. Houdremont, E.
II. Schrader, H.
III. Title: Verein...

181995

Office of Technical Services

Houdremont, Eduard and Heller, Paul Alexander.
HYDROGEN AS AN ALLOYING ELEMENT IN
STEEL AND CAST IRON. Rept. no. 549 of the
[Materials Committee] of the Verein Deutscher
Eisenhüttenleute. [1961] [9]p. (6 figs. omitted)
13 refs.
Order from SLA \$1.10

61-18567

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
7 Aug. p. 756-759.

DESCRIPTORS: *Hydrogen, *Cast iron, *Iron alloys,
*Steel, Transformation, Hardenability, Annealing,
Processing, Industrial production, Eutectics.

(Metallurgy, TT, v. 6, no. 12)

61-18567

- I. Houdremont, E.
- II. Heller, P. A.
- III. Title: Verein ...

18567

Office of Technical Services

61-18559

Henneberg, Walter.
ELECTRON-MICROSCOPE, SUPERMICROSCOPE AND
METALLURGICAL RESEARCH. Rept. no. 553 of the
[Materials Committee] of the Verein Deutscher Eisen-
hüttenleute. [1961] [18]p. (40 figs. omitted) 68 refs.
Order from SLA \$1.60 61-18559

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
14 Aug. p. 769-776.

DESCRIPTORS: *Electron microscopes, Photographic
analysis, Electron beams, Instrumentation, *Electron
microscopy, *Metallurgical analysis, Electrostatics,
Focusing, Microstructure, Surfaces, Metals.

(Metallurgy--Structural, TT, v. 6, no. 12)

I. Henneberg, W.
II. Title: Verein ...

Office of Technical Services

61-18560

Schrapp, Carl.
DESIGN AND OPERATION OF THE GREENAWALT
SINTERING PLANT AT THE JULIENHUTTE. Rep.
no. 700 of the Blast-Furnace Committee of the Verein
Deutscher Eisenhüttenleute. [1961] {11}p. (4 figs.
omitted) 3 refs.
Order from SLA \$1.60

61-18560

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
21 Aug, p. 785-791.

DESCRIPTORS: Design, Operation, Industrial plants,
*Sintering, *Blast furnaces, *Calcite, *Dolomite,
Minerals.

(Machinery--Manufacturing, TT, v. 6, no. 12)

I. Schrapp, C.
II. Title: Verein...

Office of Technical Services

Hauttmann, Hubert.
BASIC BESSEMER STEEL KILLED WITH SILICON
AND ALUMINIUM FOR SHIPS' RIVETS. [1961] (11)p.
(figs. omitted) 4 refs.
Order from SLA \$1.60

61-18564

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
26 Aug. p. 801-806.

DESCRIPTORS: Open hearth furnaces, *Steel, Mechanical
properties, Silicon, Aluminum, Deoxidation,
*Reinforcing steel; Blast furnaces, Blowers, Chemical
analysis, Metallurgy, *Ship plates, *Rivets, Sheets,
Metal screws.

(Metallurgy, TT, v. 6, no. 12)

61-18564

1. Title: Bessemer process
1. Hauttmann, H.

18564

Office of Technical Services

61-18469

I. Dawidl, W.

Dawidl, W.
THE SCIENTIFIC AND TECHNICAL PRINCIPLES OF
POWDER METALLURGY AND ITS SPHERE OF AP-
PLICATION. [1961] [19]p. (4 figs. omitted) 140 refs.
Order from SLA \$1.60 61-18469

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
2 Oct, p. 909-919.

DESCRIPTORS: *Powder metallurgy, *Sintering, *Sin-
tered alloys, *Powder alloys, Liquid metals, Machin-
ing, Magnetic alloys, Mechanical properties, Chem-
ical properties, *Sintered iron, Metallurgy, Steel
industry, Iron industry.

(Metallurgy, TT, v. 6, no. 12)

Office of Technical Services

161989

V
The Development of the Open-Hearth Process at Witkow
by Alfred Rotter, 39 pp.

GERMAN, per, Stahl und Eisen, Vol LXI, 9 Oct 1941,
pp 929-937, 16 Oct 1941, pp 949-956.

S.L.A. Tr 569/1955

Sci - Minerals/Metals
Mar 1957 CTS/dex

50, 223

The Production of Steel From Pig Iron and
Scrap, by H. Bansen.

GERMAN, per, Stahl und Eisen, Vol LXI, No 13,
1941.

Brutcher Tr 1559

Scientific - Min/Metals

\$3.40

12,943

~~12,946~~

Konopicky, Kamille. REFRACTORY MATERIALS CONTAINING CHROME ORE. Rept. no. 378 of the [Steelmaking Committee] and rept. no. 536 of the [Materials Committee] of the Vereth Deutscher Eisenhüttenleute. [1961] [17]p. 379 refs. Order from SLA \$1.60 Trans. of <u>Stahl und Eisen</u> (Germany) 1941, v. 61, 16 Jan, p. 53-63. DESCRIPTORS: *Refractory materials, *Brick, Pro- duction, Physical properties, Chromium compounds, Oxides, Ores. (Materials--Refractories, TT, v. 6, no. 11)	61-18538 I. Konopicky, K. II. Title: Verei... 6047 Office of Technical Services
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Kauchtschischwili, Michael.
THE PRODUCTION OF PIG IRON IN THE LOW-
SHAFT ELECTRIC FURNACE. [1961] 6p. 7 refs.
Order from SLA \$1.10 61-18493

Trans. of Stahl und Eisen (Germany) 1941, v. 61,
13 Nov, p. 1033-1035.

DESCRIPTORS: *Cast iron, *Induction heating,
Smelting, Iron, Ores, *Steel, *Electric arcs,
*Electric furnaces, Furnaces.

(Metallurgy, TT, v. 6, no. 12)

61-18493

I. Kauchtschischwili, M.

18493

Office of Technical Services

New Armour Plate Rolling Mill, by F. Munkner.
UNCL

GERMANY, per, Stahl u Eisen, No 49, 4 Dec 1941,
pp 1101-1107.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98,305

Recent Developments in the Production of Sintered
Magnets of β Iron-Nickel-Aluminum Alloys, by W.
Hotop.

GERMAN, per, Stahl u Eisen, Vol LXI, 4 Dec 1941,
p 1105-1109.

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Sci

Jul 59

92,717

63-20155

Buchholz, Herbert and Pusch, Richard.
CONTRIBUTION TO TRANSCRYSTALLINE STRESS
FISSURE CORROSION OF STEEL (Beitrag zur
Transkristallinen Spannungsrisskorrosion von Stahl).
[1963] [34p] (foreign text included) 8refs
Order from SLA \$3.60

63-20155

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
no. 2, p. 21-30 (Verein Deutscher Eisenhüttenleute.
Bericht-568).

DESCRIPTORS: *Steel, *Corrosion, *Hydrocyanic
acids, Fracture (Mechanics), Stress, Crystals,
Corrosion inhibition, Aluminum coatings, Zinc
coatings, *Gas cylinders.

An investigation was made of hydrocyanic acid as an
essential cause of transcrystalline stress fissure
corrosion in pressure gas bottles. Research on the
influence of the concentration and time of action of
(Metallurgy--Corrosion, TT, v. 10, no. 12) (over)

I. Buchholtz, H.
II. Pusch, R.
III. Verein... Bericht-568

Office of Technical Services

Maurer, Eduard, Wilms, Otto Heinz, and
Kieseler, Heinz.

EFFECT OF PHOSPHORUS AND OF VARIOUS
ALLOYING ELEMENTS ON THE TEMPER BRITTLE-
NESS AND HEAT EMBRITTLEMENT OF STRUC-
TURAL STEEL. Rept. no. 573 of the [Materials
Committee] of the Verein Deutscher Eisenhüttenleute.
[1961] 131p. (origs. omitted) 28 refs.
Order from SLA \$3.60

61-18553

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
p. 81-89 and 3 Feb, p. 115-116.

DESCRIPTORS: *Phosphorus, *Steel, Heat treatment,
Heat resistant alloys, Mechanical properties, Cooling,
Eutectic, Annealing, Control, Induction heating,
Carbon, Sensitivity, Hardening, Alloys.

(Metallurgy--Structural, TT, v. 6, no. 12)

61-18553

- I. Maurer, E.
- II. Wilms, O. H.
- III. Kieseler, H.
- IV. Title: Verein...

Office of Technical Services

Grün, Richard. THE RELIABILITY OF BLAST-FURNACE SLAG IN THE CEMENT INDUSTRY. [1961] [13]p. (1 fig. omitted) 8 refs. Order from SLA \$1.60 Trans. of Stahl und Eisen (Germany) 1947, v. 62, 9 A, p. 361-367. DESCRIPTORS: *blast furnaces, *Slags, *Cements, Industrial production, Catalysts, Grinders, Machines, Transportation. (Materials, IT, v. 6, no. 12)	61-18502 I. Grün, R. 181999 Office of Technical Services
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See index at beginning of the Department of
Agriculture and Commerce Service Co-74,
Series, by Robert Schenck, Herbert K. Schenck,
Herbert Schenck, 10 p.

OVERMAN, per, Stahl und Eisen, 1942,
Vol VIII, No 17, pp 347-352.

SIA 60-10190

See
Apr 60
Vol III, No 3

112,835

Note on the History of Reactive Wire Drawing, by
E. Diebel.

GERMAN, Stahl und Eisen, Vol LXII, 1942, p 430.

Brutcher Tr No 1406

Scientific - Min/Metals

FILE \$1.00

14,965

Properties and applications of low temperature
Gels, by E. Gutmann.

Continued, Ser. ~~2031~~ and Nisen, Vol. XXIX, 1942,
p 595. *Henry Bratcher 2036*

Dept of Int.
US Bur of Mines
Southern Export Sta
Tuscaloosa, Ala.

Sci - Engr, Chem

May 59

87, 716

Operation of Basic High Frequency Furnace, by
W. Bottenberg, P. Bardenheuer.

GERMAN, per, Stahl und Eisen, Vol LXII, 1942,
pp 713-718.

Brutcher Tr 1389

Scientific - Min/Metals

\$7.20

12,860

Pump for Handling Molten Metals Such as Zinc,
by Walter Urbahn, 1 p.

GERMAN, per, Stahl und Eisen, Vol LXII, Jul 1952.

SIA Tr 761/1955

Sci - Min/Met

50, 211

Jul 57

Guthmann, Kurt.
THE UTILISED HEATING SURFACE OF CHECKERS
IN THE REGENERATOR CHAMBERS OF OPEN-
HEARTH FURNACES, tr. by W. Goldsbrough. Rept.
no. 401 of the [Steelworks Committee] and no. 308 of
the [Fuel Section] of the Verein Deutscher Eisen-
hüttenleute. [1961] 11p. (2 figs. omitted) 16 refs.
Order from SLA \$1.60 61-18550

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
10 Sep., p. 774-779.

DESCRIPTORS: *Open hearth furnaces, *Steel
industry, Waste gases, Heat exchangers, Tempera-
ture, Melting, *Brick, *Refractory materials,
Metallurgy, Gas flow, Exhaust gases.

(Metallurgy, TT, v. 6, no. 12)

61-18550

I. Guthmann, K.
II. Title: Verein...

Office of Technical Services

Köhler, Fritz.
THE MELTING TOGETHER OF BUSHY STEEL
TURNINGS IN A FURNACE. [1961] 3p.
Order from SLA \$1.10

61-18492

I. Köhler, F.

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
29 Oct. p. 921-923.

DESCRIPTORS: Melting. *Steel, Metallurgy, Refrac-
tory materials, Brick, Metals, Iron compounds,
Oxides. *Blast furnaces. Open hearth furnaces.

181994

(Metallurgy--Ferrous Metals, TT. v. 6, no. 12)

Office of Technical Services

Dehler, Hermann.
COMPACTED MAGNETS WITH A SYNTHETIC
RESIN BINDER. [1961] 6p. 3 refs.
Order from SLA \$1.10

61-18471

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
p. 983-986.

DESCRIPTORS: *Magnets, Production, Physical
properties, Plastics, Binders.

(Physics--Magnetism, TT, v. 6, no. 10)

61-18471

L. Dehler, H.

1264

Office of Technical Services

Altpeter, Walter.
THE REMOVAL AND THE TAKING-UP OF NITRO-
GEN IN STEEL BATHS IN THE BASIC ARC
FURNACE. Rept. no. 404 of the [Steelworks Commit-
tee] of the Verein Deutscher Eisenhüttenleute. [1961]
10p. 9 refs.
Order from SLA 51.10

61-18483

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
26 Nov, p. 997-1001.

DESCRIPTORS: *Steel industry, *Electric arcs,
*Nitrogen, Oxidation, Degasification, Liquids, Slags,
Reduction, Ores, Melting, *Steel, Eutectics.

(Metallurgy, TT, v. 6, no. 12)

61-18483

I. Altpeter, W.
II. Title: Verein...

181993

Office of Technical Services

Pusch, A.
STATISTICAL INVESTIGATIONS ON THE CAUSES
OF FRACTURES IN TYRES AND RAILS [AND] RE-
MARKS CONTRIBUTED BY R. HONAGE. Rept.
no. 609 of the [Materials Committee] of the Verein
Deutscher Eisenhüttenleute. [1961] 17p. (37 figs.
omitted) 18 refs.
Order from SLA \$1.60

61-18484

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
3 Dec, p. 1022-1033.

DESCRIPTORS: *Fracture (Mechanics), Statistical
analysis, *Tires, *Locomotives, *Railroad tracks,
Railroad cars, Railroads, Mechanical properties,
Life expectancy, Corrosion, Stresses, Grains
(Metallurgy), Fatigue (Mechanics), Transportation.

(Metallurgy--Structural, TT, v. 6, no. 12)

61-18484

I. Pusch, A.
II. Title: Vereln...

181995

Office of Technical Services

Hinnüber, Josef.
THE PRODUCTION OF SINTERED CARBIDES AND
THEIR APPLICATION IN WIRE-DRAWING PLANTS.
Repts. no. 11 of the Wire Manufacture Committee of the
Verein Deutscher Eisenhüttenleute. [1961] 12p.
(15 figs. omitted) 9 refs.
Order from SLA \$1.60

61-18479

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
24/31 Dec, p. 1083-1090.

DESCRIPTORS: *Sinters, Sintering, *Carbides,
Castings, Friction, Machine tool industry, Tungsten
alloys, Cobalt alloys, *Sintered alloys, Dies, *Wire,
Lubricants.

(Metallurgy, TT, v. 6, no. 12)

61-18479

I. Hinnüber, J.
II. Title: Verein...

181891

Office of Technical Services

61-18475

Trömel, Gerhard.
INVESTIGATIONS OF THE TERNARY SYSTEM
CaO-P₂O₅-SiO₂ AND THEIR IMPORTANCE IN THE
PRODUCTION OF BASIC BESSEMER SLAGS. Rept.
no. 406 of the [Steelworks Committee] of the Verein
Deutscher Eisenhüttenleute. [1961] 16p. 13 refs.
Order from SLA \$1.60 61-18475

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
14 Jan, p. 21-30.

DESCRIPTORS: *Slags, Production, Calcium com-
pounds, Phosphates, Silicon compounds, Dioxides,
Chemical equilibrium, Iron, Manganese compounds,
Oxides, Chemical reactions.

(Metallurgy, TT, v. 7, no. 2)

I. Trömel, G.
II. Title: Verein...

Office of Technical Services

Rohde, Ewald.
SUBSTITUTE MATERIALS IN STEELWORKS MA-
CHINERY (IN GERMANY). [1961][22]p. (4 figs.
omitted) 3 refs.
Order from SLA \$2.60

61-18459

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
4 Feb, p. 85-94.

DESCRIPTORS: *Steel industry, Substitutes, Strategic
materials, Materials, *Rolling mills, Bearings, Jour-
nal bearings, Friction, Roller bearings, Machine
tools, *Machines, Metals, Plastics, Lubrication,
*Metallurgy.

(Metallurgy, TT, v. 6, no. 12)

61-18459

I. Rohde, E.

181985

Office of Technical Services

61-18470

Lueg, Werner.

TEMPERATURE AND ENERGY CONDITIONS WHEN
DRAWING THROUGH MULTIPLE DIES. Rept. no. 13
of the Drahtverarbeitung Committee of the Verein
Deutscher Eisenhüttenleute. [1961] 4p. 6 refs.
Order from SLA \$1.10

61-18470

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
11 Feb, p. 113-114.

DESCRIPTORS: *Dies, Castings, Machine tools, Steel
castings, Cast steel, Steel industry, Carbon, Temper-
ature, Surfaces, Reduction, Power, Measurement,
Stresses, Deformation, Lubricants

(Metallurgy, TT. v. 6, no. 12)

L. Lueg, W.
IL Title: Versin...

181800

Office of Technical Services

Treppschuh, Helmut.
TOOL STEELS FOR WORKING HOT METALS. Rept.
no. 616 of the Materials Committee of the Verein
Deutscher Eisenhüttenleute. [1961] [26]p. (1 fig.
omitted) 23 refs.
Order from SLA \$2.60

61-18458

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
11 Mar, p. 189-199.

DESCRIPTORS: *Tool steel, Heat resistant alloys, Me-
chanical properties, Eutectics, Heat treatment, Ma-
chines, *Machine tools, Casting, Stresses, *Machine
tool industry, Metallurgical analysis.

(Metallurgy, TT, v. 6, no. 12)

61-18458

I. Treppschuh, H.
II. Title: Verein ...

181987

Office of Technical Services

Müller, Heinrich.
EXPERIENCES WITH ARC-FURNACE ROOFS OF
STANDARD BRICKS WITH BUILT-IN METAL COOL-
ING COLLARS. Rept. no. 411 of the [Steelworks
Committee] of the Verein Deutscher Eisenhüttenleute.
[1961] 8p. (1 fig. omitted).
Order from SLA \$1.10

61-18516

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
16 Mar., p. 217-220.

DESCRIPTORS: *Electric arcs, *Brick, Steel
industry, Industrial equipment, Electrodes, Ceramic
materials, Design, *Roofs, Metallurgy, Electro-
chemistry, Electrode holders, *Induction heating,
*Metals, *Cooling.

(Machinery--Manufacturing, IT, v. 6, no. 12)

61-18516

I. Müller, H.
II. Title: Verein...

151947

Office of Technical Services

Luog, Werner and Pomp, Anton. THE EFFECT OF BACK PULL WHEN DRAWING STEEL WIRE. Rept. no. 14 of the Committee on Wire Working of the Verein Deutscher Eisenhüttenleute. [1961] [20]p. 8 refs. Order from SLA \$1.60 Trans. of Stahl und Eisen (Germany) 1943, v. 63, 25 Mar, p. 227-236. DESCRIPTORS: *Steel wire, Dies, Castings, Machine tools, Carbon, *Wire, Stresses. (Metallurgy--Ferrous Metals, TT, v. 6, no. 12)	61-18453 I. Luog, W. II. Pomp, A. III. Title, Werner. EX-119 Office of Technical Services
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Schmidt, H[ans].
SLAG WOOL AND ROCK WOOL AS A UNIVERSAL
SUBSTITUTE MATERIAL. Rept. no. 33 of the Panel
for the Utilization of Blast-Furnace Slag of the Verein
Deutscher Eisenhüttenleute. [Feb 46] 10p. (6 figs.
omitted) 6 refs.

Order from SLA m\$1.80, ph\$1.80 60-18205

Trans. of Stahl und Eisen (Germany) 1943, v. 63
[no. 18] p. 360-365.

60-18205

1. Insulation--Materials
2. Title: Slag wool
3. Title: Rock wool
- I. Schmidt, H.
- II. Title: Verein...

142,864

Office of Technical Services

(Unannounced)

Ruff, Wolfram.
RECENT RESULTS FROM FLUIDITY TESTS IN
THE MELTING OF CHROMIUM-MOLYBDENUM
STEELS WITH AND WITHOUT NICKEL IN BASIC
ARC AND OPEN-HEARTH FURNACES. Rept. no. 412
of the Stahlwerksausschuss [Steelworks Committee] of
the Verein Deutscher Eisenhüttenleute.. [Feb 46] 11p.
[4 figs. omitted] 6 refs.
Order from SLA m:\$2.40, ph\$3.30

Trans. of Stahl und Eisen (Germany) 1943, v. 63
[no. 22] p. 438-442.

142,846

60-18206

1. Steel--Melting**
2. Nickel--Metallurgical effects
1. Ruff, W.
- II. Title: Verein...

Office of Technical Services

(Unannounced)

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1. Iron industry
2. Steel industry
3. Title: Flow diagrams
- I. Benschmidt, H. W.
- II. Title: Verein...
- III. Technische Hochschule
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